

PHYSICAL COLLOCATION
BELL ATLANTIC : DC, DE, MD, NJ, PA, VA & WV
FCC - 1

21-Aug-01

DC POWER - WEIGHTED SUMMARY
BASED ON WEIGHTED AVERAGE EXPECTED LIVES OF THE POWER EQUIPMENT
OTHER TAX FACTOR ADJUSTED AS PER FCC PARAGRAPH 52
MELDED FOR LESS THAN 60 AMPS AND GREATER THAN 60 AMPS

	<u>A</u>	<u>B</u>	<u>C</u>
	<u>ITEM</u>	<u>SOURCE</u>	<u>BA - SOUTH</u>
1	MONTHLY RATE LESS THAN OR EQUAL TO 60 AMPS	COST STUDY	\$19.08
2	WEIGHTING FACTOR		0.75
3	WEIGHTED MONTHLY RATE LESS THAN OR EQUAL TO 60 AMPS	LINE 1 X LINE 2	\$14.31
4	MONTHLY RATE GREATER THAN OR EQUAL TO 60 AMPS	COST STUDY	\$19.24
5	WEIGHTING FACTOR		0.25
6	WEIGHTED MONTHLY RATE GREATER THAN OR EQUAL TO 60 AMPS	LINE 4 X LINE 5	\$4.81
7	TOTAL SUMMED MONTHLY RATE PER AMP BASED ON THE <u>WEIGHTED AVERAGE EXPECTED</u> LIVES OF THE POWER EQUIP & OTHER TAX FAC ADJ	LINE 3 + LINE 6	\$19.12

- WEIGHTED -

[illegible]

- WEIGHTED -

[illegible]

EXHIBIT
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PHYSICAL COLLOCATION
BELL ATLANTIC : DC, DE, MD, NJ, PA, VA & WV
FCC - 1

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>LINE NO.</u>	<u>ITEM</u>	<u>SOURCE</u>	<u>DEPRECIATION</u>	<u>COST OF CAPITAL</u>	<u>INCOME TAX</u>	<u>MAINT.</u>	<u>ADMIN.</u>	<u>OTHER TAXES</u>	<u>TOTAL</u>
1	WASHINGTON, DC	WP 1.0, PG 1, LINES 2 THRU 7	\$26.11	\$42.56	\$22.49	\$41.21	\$44.64	\$4.55	\$181.55
2	BA-SOUTH WEIGHTING	WP 8.0, PG 1, LINE 26C	0.03644	0.03644	0.03644	0.03644	0.03644	0.03644	0.2186
3	BA-DC WEIGHTED COST	LINE 1 X LINE 2	\$0.95	\$1.55	\$0.82	\$1.50	\$1.63	\$0.17	\$6.62
4	DELAWARE	WP 2.0, PG 1, LINES 2 THRU 7	\$30.35	\$50.24	\$25.85	\$52.93	\$24.25	\$6.76	\$190.37
5	BA-SOUTH WEIGHTING	WP 8.0, PG 1, LINE 26D	0.02566	0.02566	0.02566	0.02566	0.02566	0.02566	0.1540
6	BA-DE WEIGHTED COST	LINE 4 X LINE 5	\$0.78	\$1.29	\$0.66	\$1.36	\$0.62	\$0.17	\$4.89
7	MARYLAND	WP 3.0, PG 1, LINES 2 THRU 7	\$30.04	\$47.60	\$23.39	\$37.45	\$34.31	\$14.03	\$186.83
8	BA-SOUTH WEIGHTING	WP 8.0, PG 1, LINE 26E	0.16245	0.16245	0.16245	0.16245	0.16245	0.16245	0.9747
9	BA-MD WEIGHTED COST	LINE 7 X LINE 8	\$4.88	\$7.73	\$3.80	\$6.08	\$5.57	\$2.28	\$30.35
10	NEW JERSEY	WP 4.0, PG 1, LINES 2 THRU 7	\$28.13	\$45.55	\$23.62	\$41.86	\$32.94	\$9.46	\$181.56
11	BA-SOUTH WEIGHTING	WP 8.0, PG 1, LINE 26F	0.29196	0.29196	0.29196	0.29196	0.29196	0.29196	1.7518
12	BA-NJ WEIGHTED COST	LINE 10 X LINE 11	\$8.21	\$13.30	\$6.90	\$12.22	\$9.62	\$2.76	\$53.01
13	PENNSYLVANIA	WP 5.0, PG 1, LINES 2 THRU 7	\$30.34	\$48.59	\$25.88	\$43.36	\$32.73	\$7.32	\$188.21
14	BA-SOUTH WEIGHTING	WP 8.0, PG 1, LINE 26G	0.29019	0.29019	0.29019	0.29019	0.29019	0.29019	1.7411
15	BA-PA WEIGHTED COST	LINE 13 X LINE 14	\$8.80	\$14.10	\$7.51	\$12.58	\$9.50	\$2.12	\$54.62
16	VIRGINIA	WP 6.0, PG 1, LINES 2 THRU 7	\$29.50	\$46.96	\$22.45	\$40.40	\$30.67	\$6.40	\$176.40
17	BA-SOUTH WEIGHTING	WP 8.0, PG 1, LINE 26H	0.15549	0.15549	0.15549	0.15549	0.15549	0.15549	0.9329
18	BA-VA WEIGHTED COST	LINE 10 X LINE 11	\$4.59	\$7.30	\$3.49	\$6.28	\$4.77	\$1.00	\$27.43
19	WEST VIRGINIA	WP 7.0, PG 1, LINES 2 THRU 7	\$38.37	\$62.74	\$32.54	\$61.87	\$39.03	\$11.05	\$245.60
20	BA-SOUTH WEIGHTING	WP 8.0, PG 1, LINE 26I	0.03782	0.03782	0.03782	0.03782	0.03782	0.03782	0.2269
21	BA-WV WEIGHTED COST	LINE 13 X LINE 14	\$1.45	\$2.37	\$1.23	\$2.34	\$1.48	\$0.42	\$9.29

EXHIBIT
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PHYSICAL COLLOCATION
BELL ATLANTIC : DC, DE, MD, NJ, PA, VA & WV
FCC - 1

DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C DEPRECIATION	D COST OF CAPITAL	E INCOME TAX	F MAINT.	G ADMIN.	H OTHER TAXES	I TOTAL
1	WASHINGTON, DC	WP 1.1, PG 1, LINES 2 THRU 7	\$26.07	\$42.51	\$22.46	\$41.16	\$44.58	\$4.54	\$181.31
2	BA-SOUTH WEIGHTING	<u>WP 8.0, PG 1, LINE 26C</u>	<u>0.03644</u>	<u>0.03644</u>	<u>0.03644</u>	<u>0.03644</u>	<u>0.03644</u>	<u>0.03644</u>	<u>0.21864</u>
3	BA-DC WEIGHTED COST	LINE 1 X LINE 2	\$0.95	\$1.55	\$0.82	\$1.50	\$1.62	\$0.17	\$6.61
4	DELAWARE	WP 2.1, PG 1, LINES 2 THRU 7	\$30.57	\$50.60	\$26.03	\$53.31	\$24.43	\$6.81	\$191.75
5	BA-SOUTH WEIGHTING	<u>WP 8.0, PG 1, LINE 26D</u>	<u>0.02566</u>	<u>0.02566</u>	<u>0.02566</u>	<u>0.02566</u>	<u>0.02566</u>	<u>0.02566</u>	<u>0.1540</u>
6	BA-DE WEIGHTED COST	LINE 4 X LINE 5	\$0.78	\$1.30	\$0.67	\$1.37	\$0.63	\$0.17	\$4.92
7	MARYLAND	WP 3.1, PG 1, LINES 2 THRU 7	\$30.32	\$48.06	\$23.62	\$37.82	\$34.64	\$14.17	\$188.63
8	BA-SOUTH WEIGHTING	<u>WP 8.0, PG 1, LINE 26E</u>	<u>0.16245</u>	<u>0.16245</u>	<u>0.16245</u>	<u>0.16245</u>	<u>0.16245</u>	<u>0.16245</u>	<u>0.9747</u>
9	BA-MD WEIGHTED COST	LINE 7 X LINE 8	\$4.93	\$7.81	\$3.84	\$6.14	\$5.63	\$2.30	\$30.64
10	NEW JERSEY	WP 4.1, PG 1, LINES 2 THRU 7	\$28.25	\$45.75	\$23.73	\$42.04	\$33.09	\$9.50	\$182.36
11	BA-SOUTH WEIGHTING	<u>WP 8.0, PG 1, LINE 26F</u>	<u>0.29196</u>	<u>0.29196</u>	<u>0.29196</u>	<u>0.29196</u>	<u>0.29196</u>	<u>0.29196</u>	<u>1.7518</u>
12	BA-NJ WEIGHTED COST	LINE 10 X LINE 11	\$8.25	\$13.36	\$6.93	\$12.27	\$9.66	\$2.77	\$53.24
13	PENNSYLVANIA	WP 5.1, PG 1, LINES 2 THRU 7	\$30.62	\$49.03	\$26.11	\$43.76	\$33.03	\$7.38	\$189.92
14	BA-SOUTH WEIGHTING	<u>WP 8.0, PG 1, LINE 26G</u>	<u>0.29019</u>	<u>0.29019</u>	<u>0.29019</u>	<u>0.29019</u>	<u>0.29019</u>	<u>0.29019</u>	<u>1.7411</u>
15	BA-PA WEIGHTED COST	LINE 13 X LINE 14	\$8.88	\$14.23	\$7.58	\$12.70	\$9.58	\$2.14	\$55.11
16	VIRGINIA	WP 6.1, PG 1, LINES 2 THRU 7	\$29.78	\$47.39	\$22.66	\$40.78	\$30.96	\$6.46	\$178.03
17	BA-SOUTH WEIGHTING	<u>WP 8.0, PG 1, LINE 26H</u>	<u>0.15549</u>	<u>0.15549</u>	<u>0.15549</u>	<u>0.15549</u>	<u>0.15549</u>	<u>0.15549</u>	<u>0.9329</u>
18	BA-VA WEIGHTED COST	LINE 10 X LINE 11	\$4.63	\$7.37	\$3.52	\$6.34	\$4.81	\$1.00	\$27.68
19	WEST VIRGINIA	WP 7.1, PG 1, LINES 2 THRU 7	\$39.13	\$63.99	\$33.19	\$63.10	\$39.81	\$11.27	\$250.49
20	BA-SOUTH WEIGHTING	<u>WP 8.0, PG 1, LINE 26I</u>	<u>0.03782</u>	<u>0.03782</u>	<u>0.03782</u>	<u>0.03782</u>	<u>0.03782</u>	<u>0.03782</u>	<u>0.2269</u>
21	BA-WV WEIGHTED COST	LINE 13 X LINE 14	\$1.48	\$2.42	\$1.26	\$2.39	\$1.51	\$0.43	\$9.47

**PHYSICAL COLLOCATION
Verizon - Washington, DC
FCC - 1**

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 1.0, PG 3, LINE 10	-	-	\$221.40	\$221.40
2 EF&I FACTOR - FRC 377C	WP 8.0, PG 1, LINE 24C	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$616.64	\$616.64
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$616.64	\$616.64
6 LAND INVESTMENT FACTOR	WP 8.0, PG 1, LINE 22C	0.0092	-	-	0.0092
7 BUILDING INVESTMENT FACTOR	WP 8.0, PG 1, LINE 23C	-	0.1523	-	0.1523
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$5.65	-	-	\$5.65
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$93.90	-	\$93.90
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$5.65	\$93.90	\$616.64	\$716.19
11 WEIGHTED UNIT INVESTMENT	INE 10 x WP 6.0, PG 1, LINE 26C	\$0.21	\$3.42	\$22.47	\$26.10

PHYSICAL COLLOCATION
Verizon - Washington, DC
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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 1.0, PG 2 LINE 10	\$5.65	\$93.90	\$616.64	\$716.19
2 DEPRECIATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.00	\$1.55	\$24.56	\$26.11
3 COST OF MONEY	LINE 1 X WP 8.0 - ACF FACTOR	\$0.64	\$8.08	\$33.85	\$42.56
4 INCOME TAX	LINE 1 X WP 8.0 - ACF FACTOR	\$0.34	\$4.26	\$17.89	\$22.49
5 MAINTENANCE	LINE 1 X WP 8.0 - ACF FACTOR	\$0.05	\$0.85	\$40.30	\$41.21
6 ADMINISTRATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.35	\$5.85	\$38.43	\$44.64
7 OTHER TAX	LINE 1 X WP 8.0 - ACF FACTOR	<u>\$0.16</u>	<u>\$2.60</u>	<u>\$1.79</u>	<u>\$4.55</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$1.54	\$23.19	\$156.82	\$181.55
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 8.0, PG 1, LINE 26C	\$0.06	\$0.85	\$5.71	\$6.62

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PHYSICAL COLLOCATION
Verizon - Washington, DC
FCC NO. 1

DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN
	<u>Microprocessor Plant (BUSS BAR)</u>				
1	AMP	Engineering	5,000	2,600	2,600
2	Material	Engineering	\$27,154	\$23,879	\$23,879
3	Unit Investment Per AMP	(L2 / L1)	\$5.43	\$9.18	\$9.18
4	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
5	Statewide Unit Investment Per AMP	\$6.94	\$3.25	\$3.44	\$0.25
	<u>Rectifiers</u>				
6	Quantity	Engineering	6	6	6
7	AMPS per unit	Engineering	400	200	200
8	Tot. AMPS	(L6 * L7)	2,400	1,200	1,200
9	Utilization	(L6-1) / L6	83.33%	83.33%	83.33%
10	Material	Engineering	\$55,502	\$42,046	\$42,046
11	Total Investment	(L10 / L9)	\$66,602	\$50,455	\$50,455
12	Unit Investment Per AMP	(L11 / L8)	\$27.75	\$42.05	\$42.05
13	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
14	Statewide Unit Investment Per AMP	\$33.49	\$16.60	\$15.77	\$1.13
	<u>Batteries</u>				
15	Strings	Engineering	3	3	3
16	AMPS per String	Engineering	688	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	930
18	Total Investment	Engineering	\$80,952	\$34,965	\$34,965
19	Unit Investment Per AMP	(L18 / L17)	\$39.22	\$37.60	\$37.60
20	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
21	Statewide Unit Investment Per AMP	\$38.57	\$23.46	\$14.10	\$1.01
	<u>Automatic Breaker</u>				
22	AMP per Breaker	Engineering	1,600	1,200	800
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75
25	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
26	Statewide Unit Investment Per AMP	\$32.37	\$18.69	\$12.50	\$1.17
	<u>Power Distribution Service Cabinet</u>				
27	Amps	Engineering	1,600	800	400
28	Material	Engineering	\$13,976	\$7,788	\$5,677
29	Unit Investment Per AMP	(L28 / L27)	\$8.74	\$9.74	\$14.19
30	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
31	Statewide Unit Investment Per AMP	\$9.26	\$5.23	\$3.65	\$0.38
	<u>Emergency engine/turbine (auto start)</u>				
32	AMP Capacity	Engineering	2,605	1,736	1,111
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,824	1,215	778
35	Emerg. Engine Invest.	Engineering	\$130,765	\$78,249	\$53,871
36	Conduit/Emer Lights	Engineering	\$45,629	\$30,487	\$23,332
37	Total Investment	(L35 + L36)	\$176,394	\$108,736	\$77,203
38	Unit Investment Per AMP	(L37 / L34)	\$96.73	\$89.48	\$99.27
39	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
40	Statewide Unit Investment Per AMP	\$94.08	\$57.87	\$33.55	\$2.66
	<u>Battery Distribution Fuse Bay</u>				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$5,355	\$5,355	\$5,355
43	Unit Investment Per AMP	(L42 / L41)	\$6.69	\$6.69	\$6.69
44	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
45	Statewide Unit Investment Per AMP	\$6.69	\$4.00	\$2.51	\$0.18
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)				
		\$221.40			

PHYSICAL COLLOCATION
Verizon - Washington, DC
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DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 1.1, PG 3, LINE 10	-	-	\$221.12	\$221.12
2 EF&I FACTOR - FRC 377C	WP 8.0, PG 1, LINE 24C	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$615.86	\$615.86
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$615.86	\$615.86
6 LAND INVESTMENT FACTOR	WP 8.0, PG 1, LINE 22C	0.0092	-	-	0.0092
7 BUILDING INVESTMENT FACTOR	WP 8.0, PG 1, LINE 23C	-	0.1523	-	0.1523
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$5.64	-	-	\$5.64
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$93.78	-	\$93.78
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$5.64	\$93.78	\$615.86	\$715.28
11 WEIGHTED UNIT INVESTMENT	INE 10 x WP 6.0, PG 1, LINE 26C	\$0.21	\$3.42	\$22.44	\$26.06

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DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 1.1, PG 2 LINE 10	\$5.64	\$93.78	\$615.86	\$715.28
2 DEPRECIATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.00	\$1.55	\$24.53	\$26.07
3 COST OF MONEY	LINE 1 X WP 8.0 - ACF FACTOR	\$0.64	\$8.06	\$33.80	\$42.51
4 INCOME TAX	LINE 1 X WP 8.0 - ACF FACTOR	\$0.34	\$4.26	\$17.87	\$22.46
5 MAINTENANCE	LINE 1 X WP 8.0 - ACF FACTOR	\$0.05	\$0.85	\$40.25	\$41.16
6 ADMINISTRATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.35	\$5.84	\$38.38	\$44.58
7 OTHER TAX	LINE 1 X WP 8.0 - ACF FACTOR	\$0.16	\$2.60	\$1.79	\$4.54
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$1.54	\$23.16	\$156.62	\$181.31
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 8.0, PG 1, LINE 26C	\$0.06	\$0.84	\$5.71	\$6.61

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PHYSICAL COLLOCATION
Verizon - Washington, DC
FCC NO. 1

DC POWER COST DEVELOPMENT - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN
<u>Microprocessor Plant (BUSS BAR)</u>					
1	AMP	Engineering	5,000	2,600	2,600
2	Material	Engineering	\$27,154	\$23,879	\$23,879
3	Unit Investment Per AMP	(L2 / L1)	\$5.43	\$9.18	\$9.18
4	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
5	Statewide Unit Investment Per AMP	\$6.94	\$3.25	\$3.44	\$0.25
<u>Rectifiers</u>					
6	Quantity	Engineering	6	6	6
7	AMPS per unit	Engineering	400	200	200
8	Tot. AMPS	(L6 * L7)	2,400	1,200	1,200
9	Utilization	(L6-1) / L6)	83.33%	83.33%	83.33%
10	Material	Engineering	\$55,502	\$42,046	\$42,046
11	Total Investment	(L10 / L9)	\$66,602	\$50,455	\$50,455
12	Unit Investment Per AMP	(L11 / L8)	\$27.75	\$42.05	\$42.05
13	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
14	Statewide Unit Investment Per AMP	\$33.49	\$16.60	\$15.77	\$1.13
<u>Batteries</u>					
15	Strings	Engineering	3	3	3
16	AMPS per String	Engineering	688	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	930
18	Total Investment	Engineering	\$80,952	\$34,965	\$34,965
19	Unit Investment Per AMP	(L18 / L17)	\$39.22	\$37.60	\$37.60
20	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
21	Statewide Unit Investment Per AMP	\$38.57	\$23.46	\$14.10	\$1.01
<u>Automatic Breaker</u>					
22	AMP per Breaker	Engineering	1,600	1,200	800
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75
25	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
26	Statewide Unit Investment Per AMP	\$32.37	\$18.69	\$12.50	\$1.17
<u>Power Distribution Service Cabinet</u>					
27	Amps	Engineering	1,600	800	400
28	Material	Engineering	\$13,976	\$7,788	\$5,677
29	Unit Investment Per AMP	(L28 / L27)	\$8.74	\$9.74	\$14.19
30	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
31	Statewide Unit Investment Per AMP	\$9.26	\$5.23	\$3.65	\$0.38
<u>Emergency engine/turbine (auto start)</u>					
32	AMP Capacity	Engineering	2,605	1,736	1,111
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,824	1,215	778
35	Emerg. Engine Invest.	Engineering	\$130,765	\$78,249	\$53,871
36	Conduit/Emer Lights	Engineering	\$45,629	\$30,487	\$23,332
37	Total Investment	(L35 + L36)	\$176,394	\$108,736	\$77,203
38	Unit Investment Per AMP	(L37 / L34)	\$96.73	\$89.48	\$99.27
39	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
40	Statewide Unit Investment Per AMP	\$94.08	\$57.87	\$33.55	\$2.66
<u>Power Plant Distribution Bay</u>					
41	AMP Capacity	Engineering	2,600	1,200	1,200
42	Material	Engineering	\$12,747	\$10,388	\$10,388
43	Unit Investment Per AMP	(L42 / L41)	\$4.90	\$8.66	\$8.66
44	Statewide Weighting	WP 8.0, Col C, Lns 27-30	0.5982	0.3750	0.0268
45	Statewide Unit Investment Per AMP	\$6.41	\$2.93	\$3.25	\$0.23
<u>Total Unit Investment - (Greater than 60</u>					
41	AMPS) -Sum Lines	\$221.12			
(5C+14C+21C+26C+31C+40C + 45C)					

PHYSICAL COLLOCATION
Verizon - Delaware
FCC - 1

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 2.0, PG 3, LINE 10	-	-	\$247.50	\$247.50
2 EF&I FACTOR - FRC 377C	WP 8.0, PG 1, LINE 24D	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$689.35	\$689.35
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$689.35	\$689.35
6 LAND INVESTMENT FACTOR	WP 8.0, PG 1, LINE 22D	0.0094	-	-	0.0094
7 BUILDING INVESTMENT FACTOR	WP 8.0, PG 1, LINE 23D	-	0.1994	-	0.1994
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$6.47	-	-	\$6.47
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$137.48	-	\$137.48
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$6.47	\$137.48	\$689.35	\$833.30
11 WEIGHTED UNIT INVESTMENT	INE 10 x WP 8.0, PG 1, LINE 26D	\$0.17	\$3.53	\$17.69	\$21.38

PHYSICAL COLLOCATION
Verizon - Delaware
FCC - 1

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

A	B	C	D	E	F
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 2.0, PG 2 LINE 10	\$6.47	\$137.48	\$689.35	\$833.30
2 DEPRECIATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.00	\$2.94	\$27.41	\$30.35
3 COST OF MONEY	LINE 1 X WP 8.0 - ACF FACTOR	\$0.73	\$11.47	\$38.04	\$50.24
4 INCOME TAX	LINE 1 X WP 8.0 - ACF FACTOR	\$0.38	\$5.90	\$19.57	\$25.85
5 MAINTENANCE	LINE 1 X WP 8.0 - ACF FACTOR	\$0.17	\$3.67	\$49.09	\$52.93
6 ADMINISTRATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.19	\$4.00	\$20.06	\$24.25
7 OTHER TAX	LINE 1 X WP 8.0 - ACF FACTOR	<u>\$0.12</u>	<u>\$2.64</u>	<u>\$4.00</u>	<u>\$6.76</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$1.59	\$30.62	\$158.17	\$190.37
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 8.0, PG 1, LINE 26D	\$0.04	\$0.79	\$4.06	\$4.89

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PHYSICAL COLLOCATION
Verizon - Delaware
FCC NO. 1

DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPS

	A	B	C	D	E	F
LINE NO.	ITEM	SOURCE	METRO	URBAN	SUBURBAN	RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>					
1	AMP	Engineering	5,000	2,600	2,600	600
2	Material	Engineering	\$27,154	\$23,879	\$23,879	\$18,349
3	Unit Investment Per AMP	(L2 / L1)	\$5.43	\$9.18	\$9.18	\$30.58
4	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
5	Statewide Unit Investment Per AMP		\$10.63	\$1.64	\$2.76	\$2.53
	<u>Rectifiers</u>					
6	Quantity	Engineering	6	6	6	7
7	AMPS per unit	Engineering	400	200	200	50
8	Tot. AMPS	(L6 * L7)	2,400	1,200	1,200	350
9	Utilization	(L6-1) / L6)	83.33%	83.33%	83.33%	85.71%
10	Material	Engineering	\$55,502	\$42,046	\$42,046	\$15,900
11	Total Investment	(L10 / L9)	\$66,602	\$50,455	\$50,455	\$18,550
12	Unit Investment Per AMP	(L11 / L8)	\$27.75	\$42.05	\$42.05	\$53.00
13	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
14	Statewide Unit Investment Per AMP		\$39.05	\$8.40	\$12.65	\$11.60
	<u>Batteries</u>					
15	Strings	Engineering	3	3	3	2
16	AMPS per String	Engineering	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	930	620
18	Total Investment	Engineering	\$80,952	\$34,965	\$34,965	\$23,310
19	Unit Investment Per AMP	(L18 / L17)	\$39.22	\$37.60	\$37.60	\$37.60
20	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
21	Statewide Unit Investment Per AMP		\$38.09	\$11.87	\$11.31	\$10.37
	<u>Automatic Breaker</u>					
22	AMP per Breaker	Engineering	1,600	1,200	800	400
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
26	Statewide Unit Investment Per AMP		\$37.59	\$9.46	\$10.03	\$12.07
	<u>Power Distribution Service Cabinet</u>					
27	Amps	Engineering	1,600	800	400	400
28	Material	Engineering	\$13,976	\$7,788	\$5,677	\$3,467
29	Unit Investment Per AMP	(L28 / L27)	\$8.74	\$9.74	\$14.19	\$8.67
30	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
31	Statewide Unit investment Per AMP		\$10.53	\$2.64	\$2.93	\$3.92
	<u>Emergency engine/turbine (auto start)</u>					
32	AMP Capacity	Engineering	2,605	1,736	1,111	434
33	Utilization	Engineering	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,824	1,215	778	304
35	Emerg. Engine Invest.	Engineering	\$130,765	\$78,249	\$53,871	\$41,874
36	Conduit/Emer Lights	Engineering	\$45,629	\$30,487	\$23,332	\$11,810
37	Total Investment	(L35 + L36)	\$176,394	\$108,736	\$77,203	\$53,684
38	Unit Investment Per AMP	(L37 / L34)	\$96.73	\$89.48	\$99.27	\$176.71
39	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
40	Statewide Unit Investment Per AMP		\$104.91	\$29.28	\$26.92	\$27.39
	<u>Battery Distribution Fuse Bay</u>					
41	AMP Capacity	Engineering	800	800	800	800
42	Material	Engineering	\$5,355	\$5,355	\$5,355	\$5,355
43	Unit Investment Per AMP	(L42 / L41)	\$6.69	\$6.69	\$6.69	\$6.69
44	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
45	Statewide Unit Investment Per AMP		\$6.69	\$2.03	\$2.01	\$1.81
	<u>Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines</u>					
46			\$247.50			
	(5C+14C+21C+26C+31C+40C+45C)					

PHYSICAL COLLOCATION
Verizon - Delaware
FCC - 1

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 2.0, PG 3, LINE 10	-	-	\$249.29	\$249.29
2 EF&I FACTOR - FRC 377C	WP 8.0, PG 1, LINE 24D	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$694.34	\$694.34
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$694.34	\$694.34
6 LAND INVESTMENT FACTOR	WP 8.0, PG 1, LINE 22D	0.0094	-	-	0.0094
7 BUILDING INVESTMENT FACTOR	WP 8.0, PG 1, LINE 23D	-	0.1994	-	0.1994
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$6.52	-	-	\$6.52
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$138.48	-	\$138.48
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$6.52	\$138.48	\$694.34	\$839.33
11 WEIGHTED UNIT INVESTMENT	INE 10 x WP 8.0, PG 1, LINE 26D	\$0.17	\$3.55	\$17.82	\$21.54

PHYSICAL COLLOCATION
Verizon - Delaware
FCC - 1

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 2.0, PG 2 LINE 10	\$6.52	\$138.48	\$694.34	\$839.33
2 DEPRECIATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.00	\$2.96	\$27.60	\$30.57
3 COST OF MONEY	LINE 1 X WP 8.0 - ACF FACTOR	\$0.74	\$11.55	\$38.31	\$50.60
4 INCOME TAX	LINE 1 X WP 8.0 - ACF FACTOR	\$0.38	\$5.94	\$19.71	\$26.03
5 MAINTENANCE	LINE 1 X WP 8.0 - ACF FACTOR	\$0.17	\$3.70	\$49.44	\$53.31
6 ADMINISTRATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.19	\$4.03	\$20.21	\$24.43
7 OTHER TAX	LINE 1 X WP 8.0 - ACF FACTOR	<u>\$0.13</u>	<u>\$2.66</u>	<u>\$4.03</u>	<u>\$6.81</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$1.60	\$30.84	\$159.31	\$191.75
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 8.0, PG 1, LINE 26D	\$0.04	\$0.79	\$4.09	\$4.92

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PHYSICAL COLLOCATION
Verizon - Delaware
FCC NO. 1

DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN	F RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>					
1	AMP	Engineering	5,000	2,600	2,600	600
2	Material	Engineering	\$27,154	\$23,879	\$23,879	\$18,349
3	Unit Investment Per AMP	(L2 / L1)	\$5.43	\$9.18	\$9.18	\$30.58
4	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
5	Statewide Unit Investment Per AMP		\$10.63	\$1.64	\$2.76	\$2.53
	<u>Rectifiers</u>					
6	Quantity	Engineering	6	6	6	7
7	AMPS per unit	Engineering	400	200	200	50
8	Tot. AMPS	(L6 * L7)	2,400	1,200	1,200	350
9	Utilization	(L6-1) / L6)	83.33%	83.33%	83.33%	85.71%
10	Material	Engineering	\$55,502	\$42,046	\$42,046	\$15,900
11	Total Investment	(L10 / L9)	\$66,602	\$50,455	\$50,455	\$18,550
12	Unit Investment Per AMP	(L11 / L8)	\$27.75	\$42.05	\$42.05	\$53.00
13	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
14	Statewide Unit Investment Per AMP		\$39.05	\$8.40	\$12.65	\$11.60
	<u>Batteries</u>					
15	Strings	Engineering	3	3	3	2
16	AMPS per String	Engineering	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	930	620
18	Total Investment	Engineering	\$80,952	\$34,965	\$34,965	\$23,310
19	Unit Investment Per AMP	(L18 / L17)	\$39.22	\$37.60	\$37.60	\$37.60
20	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
21	Statewide Unit Investment Per AMP		\$38.09	\$11.87	\$11.31	\$10.37
	<u>Automatic Breaker</u>					
22	AMP per Breaker	Engineering	1,600	1,200	800	400
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
26	Statewide Unit Investment Per AMP		\$37.59	\$9.46	\$10.03	\$12.07
	<u>Power Distribution Service Cabinet</u>					
27	Amps	Engineering	1,600	800	400	400
28	Material	Engineering	\$13,976	\$7,788	\$5,677	\$3,467
29	Unit Investment Per AMP	(L28 / L27)	\$8.74	\$9.74	\$14.19	\$8.67
30	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
31	Statewide Unit Investment Per AMP		\$10.53	\$2.64	\$2.93	\$3.92
	<u>Emergency engine/turbine (auto start)</u>					
32	AMP Capacity	Engineering	2,605	1,736	1,111	434
33	Utilization	Engineering	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,824	1,215	778	304
35	Emerg. Engine Invest.	Engineering	\$130,765	\$78,249	\$53,871	\$41,874
36	Conduit/Emer Lights	Engineering	\$45,629	\$30,487	\$23,332	\$11,810
37	Total Investment	(L35 + L36)	\$176,394	\$108,736	\$77,203	\$53,684
38	Unit Investment Per AMP	(L37 / L34)	\$96.73	\$89.48	\$99.27	\$176.71
39	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
40	Statewide Unit Investment Per AMP		\$104.91	\$29.28	\$26.92	\$27.39
	<u>Power Plant Distribution Bay</u>					
41	AMP Capacity	Engineering	2,600	1,200	1,200	300
42	Material	Engineering	\$12,747	\$10,388	\$10,388	\$4,993
43	Unit Investment Per AMP	(L42 / L41)	\$4.90	\$8.66	\$8.66	\$16.64
44	Statewide Weighting	WP 8.0, Col D, Lns 27-30	0.3027	0.3008	0.2759	0.1207
45	Statewide Unit Investment Per AMP		\$8.49	\$1.48	\$2.60	\$2.39
	<u>Total Unit Investment - (Less than or</u>					
46	Equal to 60 AMP's) - Sum Lines		\$249.29			
	(5C+14C+21C+26C+31C+40C+45C)					

PHYSICAL COLLOCATION
Verizon - Maryland
FCC - 1

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 3.1, PG 3, LINE 10	-	-	\$248.71	\$248.71
2 EF&I FACTOR - FRC 377C	WP 8.0, PG 1, LINE 24E	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$692.71	\$692.71
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$692.71	\$692.71
6 LAND INVESTMENT FACTOR	WP 8.0, PG 1, LINE 22E	0.0078	-	-	0.0078
7 BUILDING INVESTMENT FACTOR	WP 8.0, PG 1, LINE 23E	-	0.1470	-	0.1470
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$5.40	-	-	\$5.40
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$101.82	-	\$101.82
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$5.40	\$101.82	\$692.71	\$799.93
11 WEIGHTED UNIT INVESTMENT	INE 10 x WP 8.0, PG 1, LINE 26E	\$0.88	\$16.54	\$112.53	\$129.95

PHYSICAL COLLOCATION
Verizon - Maryland
FCC - 1

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 3.0, PG 2 LINE 10	\$5.40	\$101.82	\$692.71	\$799.93
2 DEPRECIATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.00	\$2.24	\$27.79	\$30.04
3 COST OF MONEY	LINE 1 X WP 8.0 - ACF FACTOR	\$0.61	\$8.49	\$38.50	\$47.60
4 INCOME TAX	LINE 1 X WP 8.0 - ACF FACTOR	\$0.30	\$4.17	\$18.92	\$23.39
5 MAINTENANCE	LINE 1 X WP 8.0 - ACF FACTOR	\$0.14	\$2.62	\$34.70	\$37.45
6 ADMINISTRATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.23	\$4.37	\$29.71	\$34.31
7 OTHER TAX	LINE 1 X WP 8.0 - ACF FACTOR	<u>\$0.09</u>	<u>\$1.78</u>	<u>\$12.16</u>	<u>\$14.03</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$1.37	\$23.67	\$161.78	\$186.83
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 8.0, PG 1, LINE 26E	\$0.22	\$3.85	\$26.28	\$30.35

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PHYSICAL COLLOCATION
Verizon - Maryland
FCC NO. 1

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN	F RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>					
1	AMP	Engineering	5,000	2,600	2,600	600
2	Material	Engineering	\$27,154	\$23,879	\$23,879	\$18,349
3	Unit Investment Per AMP	(L2 / L1)	\$5.43	\$9.18	\$9.18	\$30.58
4	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
5	Statewide Unit Investment Per AMP		\$11.47	\$4.74	\$1.56	\$4.21
	<u>Rectifiers</u>					
6	Quantity	Engineering	6	6	6	7
7	AMPS per unit	Engineering	400	200	200	50
8	Tot. AMPS	(L6 * L7)	2,400	1,200	1,200	350
9	Utilization	(L6-1) / L6	83.33%	83.33%	83.33%	85.71%
10	Material	Engineering	\$55,502	\$42,046	\$42,046	\$15,900
11	Total Investment	(L10 / L9)	\$66,602	\$50,455	\$50,455	\$18,550
12	Unit Investment Per AMP	(L11 / L8)	\$27.75	\$42.05	\$42.05	\$53.00
13	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
14	Statewide Unit Investment Per AMP		\$41.03	\$21.70	\$7.14	\$7.30
	<u>Batteries</u>					
15	Strings	Engineering	3	3	3	2
16	AMPS per String	Engineering	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	930	620
18	Total Investment	Engineering	\$80,952	\$34,965	\$34,965	\$23,310
19	Unit Investment Per AMP	(L18 / L17)	\$39.22	\$37.60	\$37.60	\$37.60
20	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
21	Statewide Unit Investment Per AMP		\$37.88	\$19.41	\$6.38	\$5.18
	<u>Automatic Breaker</u>					
22	AMP per Breaker	Engineering	1,600	1,200	800	400
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
26	Statewide Unit Investment Per AMP		\$37.03	\$17.21	\$7.43	\$6.89
	<u>Power Distribution Service Cabinet</u>					
27	Amps	Engineering	1,600	800	400	400
28	Material	Engineering	\$13,976	\$7,788	\$5,677	\$3,467
29	Unit Investment Per AMP	(L28 / L27)	\$8.74	\$9.74	\$14.19	\$8.67
30	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
31	Statewide Unit Investment Per AMP		\$10.17	\$5.03	\$2.41	\$1.19
	<u>Emergency engine/turbine (auto start)</u>					
32	AMP Capacity	Engineering	2,605	1,736	1,111	434
33	Utilization	Engineering	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,824	1,215	778	304
35	Emerg. Engine Invest.	Engineering	\$130,765	\$78,249	\$53,871	\$41,874
36	Conduit/Emer Lights	Engineering	\$45,629	\$30,487	\$23,332	\$11,810
37	Total Investment	(L35 + L36)	\$176,394	\$108,736	\$77,203	\$53,684
38	Unit Investment Per AMP	(L37 / L34)	\$96.73	\$89.48	\$99.27	\$176.71
39	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
40	Statewide Unit Investment Per AMP		\$104.43	\$46.19	\$16.86	\$24.33
	<u>Battery Distribution Fuse Bay</u>					
41	AMP Capacity	Engineering	800	800	800	800
42	Material	Engineering	\$5,355	\$5,355	\$5,355	\$5,355
43	Unit Investment Per AMP	(L42 / L41)	\$6.69	\$6.69	\$6.69	\$6.69
44	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
45	Statewide Unit Investment Per AMP		\$6.69	\$3.46	\$1.14	\$0.92
46	<u>Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)</u>					
			\$248.71			

PHYSICAL COLLOCATION
Verizon - Maryland
FCC - 1

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 3.0, PG 3, LINE 10	-	-	\$251.11	\$251.11
2 EF&I FACTOR - FRC 377C	WP 8.0, PG 1, LINE 24E	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$699.40	\$699.40
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$699.40	\$699.40
6 LAND INVESTMENT FACTOR	WP 8.0, PG 1, LINE 22E	0.0078	-	-	0.0078
7 BUILDING INVESTMENT FACTOR	WP 8.0, PG 1, LINE 23E	-	0.1470	-	0.1470
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$5.45	-	-	\$5.45
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$102.80	-	\$102.80
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$5.45	\$102.80	\$699.40	\$807.65
11 WEIGHTED UNIT INVESTMENT	INE 10 x WP 8.0, PG 1, LINE 26E	\$0.89	\$16.70	\$113.62	\$131.20

PHYSICAL COLLOCATION
Verizon - Maryland
FCC - 1

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 3.0, PG 2 LINE 10	\$5.45	\$102.80	\$699.40	\$807.65
2 DEPRECIATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.00	\$2.26	\$28.06	\$30.32
3 COST OF MONEY	LINE 1 X WP 8.0 - ACF FACTOR	\$0.62	\$8.57	\$38.87	\$48.06
4 INCOME TAX	LINE 1 X WP 8.0 - ACF FACTOR	\$0.30	\$4.21	\$19.10	\$23.62
5 MAINTENANCE	LINE 1 X WP 8.0 - ACF FACTOR	\$0.14	\$2.64	\$35.03	\$37.82
6 ADMINISTRATION	LINE 1 X WP 8.0 - ACF FACTOR	\$0.23	\$4.41	\$30.00	\$34.64
7 OTHER TAX	LINE 1 X WP 8.0 - ACF FACTOR	<u>\$0.10</u>	<u>\$1.80</u>	<u>\$12.27</u>	<u>\$14.17</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$1.39	\$23.90	\$163.34	\$188.63
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 8.0, PG 1, LINE 26E	\$0.23	\$3.88	\$26.53	\$30.64

WORKPAPER 3.1
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PHYSICAL COLLOCATION
Verizon - Maryland
FCC NO. 1

DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN	F RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>					
1	AMP	Engineering	5,000	2,600	2,600	600
2	Material	Engineering	\$27,154	\$23,879	\$23,879	\$18,349
3	Unit Investment Per AMP	(L2 / L1)	\$5.43	\$9.18	\$9.18	\$30.58
4	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
5	Statewide Unit Investment Per AMP		\$11.47	\$0.96	\$4.74	\$1.56
	<u>Rectifiers</u>					
6	Quantity	Engineering	6	6	6	7
7	AMPS per unit	Engineering	400	200	200	50
8	Tot. AMPS	(L6 * L7)	2,400	1,200	1,200	350
9	Utilization	(L6-1) / L6)	83.33%	83.33%	83.33%	85.71%
10	Material	Engineering	\$55,502	\$42,046	\$42,046	\$15,900
11	Total Investment	(L10 / L9)	\$66,602	\$50,455	\$50,455	\$18,550
12	Unit Investment Per AMP	(L11 / L8)	\$27.75	\$42.05	\$42.05	\$53.00
13	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
14	Statewide Unit Investment Per AMP		\$41.03	\$4.89	\$21.70	\$7.14
	<u>Batteries</u>					
15	Strings	Engineering	3	3	3	2
16	AMPS per String	Engineering	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	930	620
18	Total Investment	Engineering	\$80,952	\$34,965	\$34,965	\$23,310
19	Unit Investment Per AMP	(L18 / L17)	\$39.22	\$37.60	\$37.60	\$37.60
20	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
21	Statewide Unit Investment Per AMP		\$37.88	\$6.91	\$19.41	\$6.38
	<u>Automatic Breaker</u>					
22	AMP per Breaker	Engineering	1,600	1,200	800	400
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
26	Statewide Unit Investment Per AMP		\$37.03	\$5.51	\$17.21	\$7.43
	<u>Power Distribution Service Cabinet</u>					
27	Amps	Engineering	1,600	800	400	400
28	Material	Engineering	\$13,976	\$7,788	\$5,677	\$3,467
29	Unit Investment Per AMP	(L28 / L27)	\$8.74	\$9.74	\$14.19	\$8.67
30	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
31	Statewide Unit Investment Per AMP		\$10.17	\$1.54	\$5.03	\$2.41
	<u>Emergency engine/turbine (auto start)</u>					
32	AMP Capacity	Engineering	2,605	1,736	1,111	434
33	Utilization	Engineering	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,824	1,215	778	304
35	Emerg. Engine Invest.	Engineering	\$130,765	\$78,249	\$53,871	\$41,874
36	Conduit/Emer Lights	Engineering	\$45,629	\$30,487	\$23,332	\$11,810
37	Total Investment	(L35 + L36)	\$176,394	\$108,736	\$77,203	\$53,684
38	Unit Investment Per AMP	(L37 / L34)	\$96.73	\$89.48	\$99.27	\$176.71
39	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
40	Statewide Unit Investment Per AMP		\$104.43	\$17.05	\$46.19	\$16.86
	<u>Power Plant Distribution Bay</u>					
41	AMP Capacity	Engineering	2,600	1,200	1,200	300
42	Material	Engineering	\$12,747	\$10,388	\$10,388	\$4,993
43	Unit Investment Per AMP	(L42 / L41)	\$4.90	\$8.66	\$8.66	\$16.64
44	Statewide Weighting	WP 8.0, Col E, Lns 27-30	0.1763	0.5162	0.1698	0.1377
45	Statewide Unit Investment Per AMP		\$9.09	\$0.86	\$4.47	\$1.47
	<u>Total Unit Investment - (Greater than 60</u>					
46	AMPs) -Sum Lines		\$251.11			
	(5C+14C+21C+26C+31C+40C + 45C)					